|  | Index of Claims  |          |                    |           |          |          |          |          |          |              |                             |           |           | pplication No. |   |                 |              |                |          |  |  | Applicant(s) |                 |            |          |                 |                  |         |          |        |
|--|--|----------|--------------------|-----------|----------|----------|----------|----------|----------|--------------|-----------------------------|-----------|-----------|----------------|---|-----------------|--------------|----------------|----------|--|--|--------------|-----------------|------------|----------|-----------------|------------------|---------|----------|--------|
|  | T 1880 (1 AND 1808 AND 1801 AND 1881 A |          |                    |           |          |          |          |          |          |              |                             |           |           | _              | 09/648,537<br>Examiner                  |                 |              |                |          |  |  |              |                 | MAHR, ERIC |          |                 |                  |         |          |        |
|  |  |          |                    |           |          |          |          |          |          |              |                             |           |           | Ĕ              |   |                 |              |                |          |  |  |              |                 | Un         | it       |                 | _                |         |          |        |
|  |  |          |                    |           |          |          |          |          |          |              |                             |           |           |                |   |                 |              |                |          |  |  | 0000         |                 |            |          |                 |                  |         |          |        |
| 1 100011 CENTE CONTROL |  |          |                    |           |          |          |          |          |          |              |                             | Min Jung  |           |                |   |                 |              |                |          |  |  |              | 2663            |            |          |                 |                  |         |          |        |
|  |  |          |                    |           |          |          |          | 1        | ſ        |              | /7                          | · · · · · |           |                | 1\                                      |                 | Г            | <del>-</del> - |          |  | -  | П            | -               |            |          |                 | $\neg$           |         |          |        |
|  |  |          | <b>√</b>           | R         | Rejected |          |          |          | -        | (1           | (Through numer<br>Cancelled |           |           | rai)           |   |                 | N            | Non-Ele        |          | cted   |  | A            | Appeal          |            |          |                 |                  |         |          |        |
|  |  |          | _                  | Allowed   |          |          |          | ŀ        | $\dashv$ |              |                             |           |           |                |   | ŀ               | $\dashv$     |                |          |  | 1  | $\vdash$     |                 |            |          |                 | $\dashv$         |         |          |        |
|  |  |          | =                  | Α         | llo      | we       | d        |          |          | ÷            | Rest                        |           | estric    | ted            |   |                 |              | ١              | Inte     | erfere   | nce  |              | 0               | Objected   |          |                 |                  |         |          |        |
|  |  |          | ·                  |           |          |          |          | 1        |          |              |                             |           |           |                |   |                 |              |                |          |  |  | ,<br>        |                 |            |          |                 |                  |         |          | •      |
|  | Cla  | Date     |                    |           | 9        |          |          | 4        | CI       | aim          |                             | _         | <u>D</u>  | ate            |   |                 | _            | C              | aim      | <del>                                     </del> | <del>                                     </del> |              | Date            |            |          | ı               |                  |         |          |        |
|  | Final  | Original | 100                | `         |          |          |          |          |          |              |                             | Final     | Originat  |                |   |                 |              |                |          |  | Final  | Original     |                 |            |          |                 |                  |         |          |        |
| ٠  | 這  | Orig     | 10/6/2/11          |           |          |          |          |          |          |              |                             | 证         | Orig      |                |   |                 |              |                |          |  | ᄩ  | Orig         |                 |            |          |                 |                  |         |          |        |
|  |  | 1        | 2                  |           |          |          |          |          |          | $\dashv$     | $\dashv$                    |           | 51        | +              |   | $\vdash$        |              | -              | +        | +  |  | 101          | Н               |            | +        | $\vdash$        | $\dashv$         | _       | ┼        |        |
|  |  | 2        | =                  |           |          |          |          |          |          |              |                             |           | 52        |                |   |                 | 1            |                |          |  |  | 102          |                 |            |          |                 |                  |         |          |        |
|  |  | 3        | 11 11              | -         | Н        |          |          |          | $\sqcup$ | _            | 4                           |           | 53<br>54  | -              | -                                       |                 |              |                | -        | +  |  | 103<br>104   |                 |            | +        |                 | -                | -       |          |        |
|  |  | 5        | 2                  |           |          |          | Н        |          | H        | $\dashv$     | -                           |           | 55        | +              | +                                       | ╁╌╁             | +            | $\dagger$      | +-       | +  |  | 105          | $\vdash$        | +          | +-       | $\vdash$        | $\dashv$         | +       | ╁        |        |
|  |  | 6        | 4                  |           |          |          |          |          |          |              |                             |           | 56        |                | 1                                       |                 |              | $\perp$        | $\perp$  | $\Box$   |  | 106          |                 |            |          |                 |                  |         |          |        |
|  |  | 7<br>8   | =                  | $\dashv$  |          |          | Н        |          |          | +            | $\dashv$                    |           | 57<br>58  | -              | +                                       | ╁┼              | -            | +              | +        | +  | -  | 107<br>108   | $\vdash$        |            | +-       | $\vdash$        | +                | +       | H        |        |
|  |  | 9        | V                  |           |          |          |          |          |          | $\Box$       |                             |           | 59        |                |   |                 |              | $\top$         |          |  |  | 109          |                 |            | _        |                 |                  |         |          |        |
|  |  | 10       | 7                  |           |          |          |          |          |          | _            | _                           |           | 60        |                |   |                 |              | 4              | $\perp$  |  |  | 110          |                 | $\perp$    | $\perp$  |                 | $\Box$           | $\perp$ |          |        |
|  |  | 11<br>12 | ピレ                 | $\dashv$  | Н        |          |          |          | Н        | +            | $\dashv$                    |           | 61<br>62  |                | +                                       |                 | -            | $\dashv$       |          | +  | -  | 111          | $\vdash$        | -          | +        | H               | $\dashv$         | +       | $\vdash$ |        |
|  |  | 13       | <b>V</b>           |           |          | ,        |          |          |          |              |                             |           | 63        |                |   |                 | 1            |                |          |  |  | 113          |                 |            |          |                 |                  |         |          |        |
|  |  | 14<br>15 | <u>-</u>           | $\dashv$  |          | -        |          |          | $\dashv$ | $\dashv$     | 4                           | -         | 64<br>65  |                |   |                 | +            | +              |          |  |  | 114          | $\vdash$        | _          | +        | $\vdash \vdash$ | +                | +       | $\vdash$ |        |
|  |  | 16       | V                  |           |          |          |          |          |          | 1            |                             |           | 66        |                |   |                 | $\dashv$     | $\dashv$       | +        | $\forall \exists$                                |  | 116          |                 |            |          |                 | $\dashv$         |         |          |        |
|  |  | 17       | 11                 | _         |          |          |          | _        |          |              | $\Box$                      |           | 67        |                |   | П               | $\perp$      | 1              |          | $\Box$   |  | 117          | П               |            |          |                 |                  |         |          |        |
|  |  | 18<br>19 | 1/ 11              |           | $\dashv$ |          |          | -        | ᅱ        |              | $\dashv$                    |           | 68<br>69  | +              | +                                       | H               | +            | +              | $\dashv$ | +  |  | 118<br>119   | Н               | -          | +        | $\vdash$        | +                | +       | $\vdash$ |        |
|  |  | 20       | =                  |           |          |          |          |          |          |              |                             |           | 70        |                |   | П               | 1            |                |          |  |  | 120          |                 | 1          | 上        |                 |                  |         |          |        |
|  |  | 21<br>22 | 11                 | _         |          |          | -        |          | $\vdash$ |              | _                           |           | 71        | -              | +-                                      | -               | +            | +              | +        | $\mathbb{H}$                                     |  | 121<br>122   | Н               | - -        | +        |                 | +                | +       | 1        |        |
|  |  | 23       |                    |           |          |          |          |          |          |              |                             |           | 73        | _              | +                                       |                 | $^{\dagger}$ | +              |          |  |  | 123          | Н               | $\dashv$   | +        |                 |                  | +       |          |        |
|  |  | 24       | =                  |           |          |          |          |          |          | _            |                             |           | 74        |                | $\bot$                                  |                 | 1            | 1              |          | П  |  | 124          |                 | $\bot$     | $\perp$  |                 |                  |         |          |        |
| ŀ  |  |          | レ                  | $\dashv$  | $\dashv$ | $\dashv$ |          |          |          | $\dashv$     | -                           | -         | 75<br>76  | -              | ╁                                       | $\vdash$        | +            | +              | +        | +  | -  | 125<br>126   |                 | +          | +        | Н               | $\dashv$         |         | $\vdash$ | i<br>I |
|  |  |          | レレ                 | $\Box$    |          |          |          |          |          | $\top$       |                             |           | 77        |                |   |                 |              |                |          |  |  | 127          |                 |            |          |                 |                  |         |          | i      |
| }  |  | 28<br>29 |                    | $\dashv$  |          | $\dashv$ |          |          | $\vdash$ | -            | $\dashv$                    |           | 78<br>79  | +              | +                                       | $\vdash$        | +            | +              | +        | H  |  | 128<br>129   | Н               |            | -        | $\vdash$        | +                |         | $\vdash$ | l      |
| ĺ  |  | 30       | レレ                 |           |          |          |          |          |          | $\pm$        | $\exists$                   |           | 80        | $\pm$          | $\pm$                                   |                 | _            | $\perp$        | +        |  |  | 130          |                 | +          |          | $\Box$          | $\dashv$         | +       | +        | ı      |
| [  |  | 31<br>32 | 4                  | $\exists$ |          | 4        |          |          | $\dashv$ | 7            | _                           |           | 81<br>82  | $\blacksquare$ |   |                 |              |                | $\bot$   |  |  | 131          | П               | 工          |          |                 | $\Box$           |         | П        | 1      |
| ŀ  |  | 33       | 1                  | $\dashv$  |          | $\dashv$ | $\vdash$ | $\dashv$ |          |              | $\dashv$                    |           | 83        | +              | +                                       | $\vdash$        | +            | ╬              |          | +  |  | 132<br>133   | $\vdash$        | +          | +        | -               | <del>-</del> - - | +       | $\vdash$ | l      |
|  |  | 34       | 11                 |           |          |          |          |          |          | 1            | ]                           |           | 84        |                | İ                                       |                 |              | ⇉              |          |  |  | 134          |                 |            |          |                 |                  |         |          | ı      |
| ł  |  | 35<br>36 | <i>i</i> ) (i      |           | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | +            | $\dashv$                    |           | 85<br>86  | +              | +                                       | $\vdash \vdash$ | +            |                | -        | +  | -  | 135<br>136   | $\vdash \vdash$ | +          | +        | $\dashv$        | -                | +       | Н        | ı      |
| l  |  | 37       | =                  |           |          |          |          |          | 1        | 1            | ┪                           |           | 87        | +              | +                                       | $\Box$          | $\dagger$    | _              |          | +-   | -  | 137          | $\vdash$        | +          | $\vdash$ |                 | _                | +       | $\vdash$ |        |
|  |  | 38       | )1                 | $\Box$    |          | $\Box$   |          |          |          | $\perp$      | 4                           |           | 88        |                |   |                 | 1            | 1              | 1.       |  |  | 138          | П               |            |          |                 | _                |         | П        |        |
| •  |  |          | = 1                | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +            | $\dashv$                    | -         | 89<br>90  | +              | +                                       | $\vdash$        | +            | _              | -        | +  |  | 139<br>140   | Н               |            | +        | -               | +                | +       | Н        |        |
|  |  | 41       |                    |           | 二        |          |          |          |          | $\downarrow$ |                             |           | 91        |                |   |                 | $\downarrow$ | 1              | 1        | $\Box$   |  | 141          |                 |            |          |                 | 士                |         | П        |        |
|  |  | 42<br>43 | $\sqcup$           | $\dashv$  | $\dashv$ | $\dashv$ |          | _        | -        | $\perp$      | 4                           | _         | 92        |                | $+\overline{}$                          | igspace         | +            | $\perp$        | +        | $\Box$   |  | 142<br>143   | $\prod$         | $\bot$     | $\Box$   | $\dashv$        | $\dashv$         | -       | П        |        |
| }  |  | 44       |                    | $\dashv$  | $\dashv$ | ┪        | $\dashv$ |          | $\dashv$ | +            | $\dashv$                    |           | 94        | $\dashv$       | +                                       | $\vdash \vdash$ | $\dashv$     | +              | +        | ++   |  | 144          | $\vdash$        | +          | ╁┤       | $\dashv$        | +                | +       | Н        |        |
|  |  | 45       |                    |           |          | _        |          |          | $\Box$   |              |                             |           | 95        | 1              |   |                 | ļ            | 1              | 1        | $\square$  |  | 145          |                 | 丰          |          |                 |                  |         |          |        |
| }  |  | 46<br>47 |                    | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | +            | $\dashv$                    |           | 96<br>97  | +              | +                                       | $\dashv$        | +            | +              | +        | H  | -  | 146<br>147   | $\vdash \vdash$ | +          | +        | $\vdash \vdash$ | +                | +       | Н        |        |
|  |  | 48       |                    |           |          | コ        |          |          |          | 1            | $\exists$                   |           | 98        |                |   |                 | 士            | $\pm$          |          |  |  | 148          |                 |            |          |                 |                  |         |          |        |
| }  |  | 49<br>50 | $\dashv$           | -         |          | $\dashv$ | 4        | _        | $\dashv$ | _            | $\dashv$                    | _         | 99<br>100 | 1              | +                                       | H               | - -          | 1              | +        | $\square$  |  | 149<br>150   |                 |            | $\Box$   | П               | 4                | $\bot$  | П        |        |
| ι  |  | 50       | $oldsymbol{\perp}$ |           | 1        | 1        |          |          |          |              |                             | <u> </u>  | 100       |                | لــــــــــــــــــــــــــــــــــــــ |                 | _L           |                |          | لبل  |  | 1100         | $\sqcup$        |            |          | $\perp$         | L                |         | Ш        |        |